



Environmental Impact Analysis Process

Environmental Assessment for
Construct Military Working Dog Facility

United States Air Force
Air Education and Training Command
Columbus Air Force Base, Mississippi

July 2003

Report Documentation Page				Form Approved OMB No. 0704-0188	
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File 17

FINDING OF NO SIGNIFICANT IMPACT (FONSI)

COLUMBUS AIR FORCE BASE

Name of Action: Construction of a Military Working Dog Facility at Columbus Air Force Base (AFB), Mississippi.

Proposed Action: Columbus AFB proposes to construct a Military Working Dog Facility. The proposed action would bring Columbus AFB into compliance with the recommendations of the US Army Veterinary Service, Air Education Training Command (AETC) "Design Guide for Military Working Dog Facilities", Department of the Army, Pamphlet 190-12, *Military Working Dog Program*, AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199.

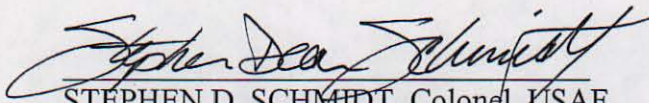
The Construction of a Military Working Dog Facility Environmental Assessment also assessed three other potential sites. Alternative Site 3 (Map location M-205/214) was selected as the preferred site.

The no-action alternative would not bring Columbus AFB into compliance with the recommendations of the US Army Veterinary Service, AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199.

Anticipated Environmental Effects: The proposed action would require the disturbance of installation property that has been previously disturbed and would increase noise levels during construction. Erosion and sediment controls would be installed and maintained, prior to and during, construction.

Conclusion: The proposed construction of a Military Working Dog Facility at site M-205/214 would provide a facility that meets the requirements of a Military Working Dog Facility. This facility would bring the facility into compliance with the recommendations of the US Army Veterinary Service, and would be in compliance with AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199, Department of the Army, Pamphlet 190-12. The facility would follow the design of "Design Guide for Military Working Dog Facilities", HQ AETC, 14 Jun 2002.

An environmental impact statement is not required. A Finding of No Significant Impact is justified.


STEPHEN D. SCHMIDT, Colonel, USAF
Commander, 14th Flying Training Wing

1 Jul 03
Date

FINDING OF NO SIGNIFICANT IMPACT (FONSI)

COLUMBUS AIR FORCE BASE

Name of Action: Construction of a Military Working Dog Facility at Columbus Air Force Base (AFB), Mississippi.

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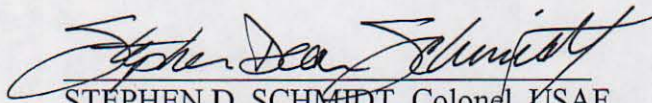
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Conclusion: The proposed construction of a Military Working Dog Facility at site M-205/214 would provide a facility that meets the requirements of a Military Working Dog Facility. This facility would bring the facility into compliance with the recommendations of the US Army Veterinary Service, and would be in compliance with AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199, Department of the Army, Pamphlet 190-12. The facility would follow the design of "Design Guide for Military Working Dog Facilities", HQ AETC, 14 Jun 2002.

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COLUMBUS AIR FORCE BASE

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Proposed Action: Columbus AFB proposes to construct a Military Working Dog Facility. The proposed action would bring Columbus AFB into compliance with the recommendations of the US Army Veterinary Service, Air Education Training Command (AETC) "Design Guide for Military Working Dog Facilities", Department of the Army, Pamphlet 190-12, *Military Working Dog Program*, AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199.

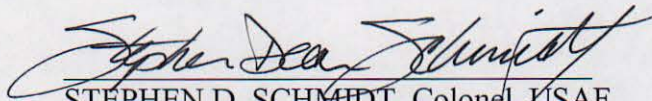
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The no-action alternative would not bring Columbus AFB into compliance with the recommendations of the US Army Veterinary Service, AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199.

Anticipated Environmental Effects: The proposed action would require the disturbance of installation property that has been previously disturbed and would increase noise levels during construction. Erosion and sediment controls would be installed and maintained, prior to and during, construction.

Conclusion: The proposed construction of a Military Working Dog Facility at site M-205/214 would provide a facility that meets the requirements of a Military Working Dog Facility. This facility would bring the facility into compliance with the recommendations of the US Army Veterinary Service, and would be in compliance with AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199, Department of the Army, Pamphlet 190-12. The facility would follow the design of "Design Guide for Military Working Dog Facilities", HQ AETC, 14 Jun 2002.

An environmental impact statement is not required. A Finding of No Significant Impact is justified.


STEPHEN D. SCHMIDT, Colonel, USAF
Commander, 14th Flying Training Wing

1 Jul 03
Date

ENVIRONMENTAL ASSESSMENT

CONSTRUCT MILITARY WORKING DOG FACILITY

1. Purpose of and Need for the Proposed Action

Columbus Air Force Base (AFB) proposes to construct a Military Working Dog Facility. Presently, the working dog facility does not comply with the standards outlined in the Air Education Training Command (AETC) "Design Guide for Military Working Dog Facilities", Department of the Army, Pamphlet 190-12, *Military Working Dog Program*, AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199. The existing facility was constructed in 1952 as a communications building that is located in the 75-80 dBA noise contour. The current facility inadequacies include: inadequate administration and kennel space, ventilation, insect and rodent control, training areas, and water supply that is non potable. The current facility also contains potential hazards that include: exposed electrical and communication wiring, lead based paint, and inadequate plumbing for removal of feces.

2. Description of the Proposed Action

Proposed Action: The proposed action is to construct a 4,443 square foot complex consisting of an administration and support building, a kennel building, an equipment storage building and a fenced outdoor dog exercise/rest area at the former waste water treatment facility location. The facility would meet the requirements of the AETC "Design Guide for Military Working Dog Facilities", AFI 31-202, *Military Working Dog Program*, and Code of Federal Regulations, Title 9, Volume 1, Parts 1-199.

3. Alternatives Considered

Several alternatives were considered. They are listed below.

Alternative 1. Renovate the existing kennel (Bldg. 2052): The existing facility was constructed in 1952 and lacks the necessary administration and kennel space as recommended by the US Army Veterinary Service. The facility uses well water for the dogs. The well pump has no backup generator and becomes inoperative during times of power failure. The water is classified as non potable and has been determined to contain a high iron content requiring a treatment system and requires constant maintenance. Renovation of the structure would require removing all hazards that currently exist including: exposed electrical and communication wiring, lead based paint, and inadequate plumbing, and roof. The facility is also within the 75-80 dBA noise contour which exceeds the acceptable noise described in AFI 31-202, *Military Working Dog Program*.

Alternative 2. Construct Military Working Dog Facility across Simler Blvd from Security Forces and adjacent to the Base Exchange parking lot (Map location

M-170/171): The Traffic Engineering Study (1982), MTMC Report TE82-6a-21 indicates by notation that the traffic counts at the East (Main) Gate are 5,200 per day and at the South Gate are 4,300 per day. The baseline noise contours shown on the 1998 Air Installation Compatibility Use Zones from aircraft operations indicates that this area is within the 70-75 dBA noise contour which exceeds the acceptable noise described in AFI 31-202, *Military Working Dog Program*. The area was surveyed by Bioenvironmental on 13 June and 16 June 2003 and was determined to have noise levels of 70.8 dBA and 70.1 dBA respectively (Appendix E). This indicated that this site would meet the standards set by AFI 31-202.

Alternative 3. Construct Military Working Dog Facility adjacent to the Security Forces facility adjacent to a softball field (Map location M-205/214): A facility in this area would expose the dogs to additional noise and vehicle traffic. The Traffic Engineering Study (1982), MTMC Report TE82-6a-21 indicates by notation that the traffic counts at the East (Main) Gate are 5,200 per day and at the South Gate are 4,300 per day. The baseline noise contours from aircraft operations shown on the 1998 Air Installation Compatibility Use Zone indicates that this area is within the 70-75 dBA noise contour which exceeds the acceptable noise described in AFI 31-202, *Military Working Dog Program*. The area was surveyed by Bioenvironmental on 13 June and 16 June 2003 and was determined to have noise levels of 70.8 dBA and 70.1 dBA respectively (Appendix E). This indicated that this site would meet the standards set by AFI 31-202.

4. Alternative 4: This is the no-action alternative.

5. Affected Environment

Columbus AFB, home to the Air Education and Training Command (AETC) 14th Flying Training Wing (14 FTW) is located in Lowndes County, approximately ten miles northwest of the city of Columbus (Figure 1.2-1). The installation is approximately 4,903 acres. The Tombigbee River is located approximately one mile northwest and the Buttahatchee River is approximately 1,000 feet north of the base. Single-family homes and mobile trailer communities are immediately east of the base, U.S. Highway 45 is to the east and southeast, and the Oakdale Park Subdivision and mobile home parks are to the south. The affected environment includes Columbus AFB and the surrounding properties described above.

The baseline affected environment for the proposed action at Columbus AFB is described as follows:

a. Military Mission

14 FTW is the host unit at Columbus AFB and reports to the AETC. The wing conducts Specialized Undergraduate Pilot Training (SUPT). Additionally, the wing provides administrative, medical, and logistical support for assigned personnel, as well as tenant agencies associated with Columbus AFB including retirees and their families. The organizational structure of 14 FTW consists of the

14th Medical Group, the 14th Operations Group, the 14th Mission Support Group, and the 14th Maintenance Group.

b. Land Use

The proposed construction site is a grass-covered area east of the south gate. The area has been previously disturbed.

c. Water Quality

Storm Water/ Waste Water

The sanitary sewer from the base is treated at the City of Columbus waste water facility. Storm water from the proposed site is directed to the unnamed tributary that flows into Stinson Creek.

Domestic Water

The water supply for Columbus AFB is from the city of Columbus municipal water supply and the sanitary sewer from the base will be treated at the city of Columbus wastewater facility.

d. Air Quality

Columbus AFB is in an area with air quality designated as being in attainment, meaning the concentration of criteria air pollutants in the atmosphere do not exceed primary or secondary National Ambient Air Quality Standards (NAAQS).

e. Noise

The primary noise source at Columbus AFB is from aircraft operations, including pilot training, aircraft maintenance, and transient military aircraft. During periods of no flying activity at Columbus AFB, noise results primarily from aircraft maintenance and shop operations, ground traffic movement, occasional construction and similar sources. This noise is primarily restricted to the base itself and is comparable to sounds that occur in typical communities. Baseline noise conditions from aircraft operations at Columbus AFB were defined using the Air Force-developed NOISEMAP (Version 6.5) modeling program. This model indicates the proposed action would occur within the 65 to 70 dBA (decibel average) noise contours for Columbus AFB (USAF, 1998). The area was surveyed by Bioenvironmental on 13 June and 16 June 2003 and was determined to have noise levels of 70.8 dBA and 70.1 dBA respectively (Appendix E). This indicated that this site would meet the standards set by AFI 31-202.

f. Prehistoric and Historical Sites

Columbus AFB does not have any known cultural or archeological resources.

g. Permits required

The construction of a Military Working Dog Facility would require a modification to our Title V permit. Specifications for gas-fired water heater and/or furnace are to be submitted to Mississippi Department of Environmental Quality through 14 CES/CEV for inclusion to our Title V permit prior to construction. During construction a Notice Of Intent and a Storm Water Pollution Prevention Plan would be filed with the State of Mississippi, Department of Environmental Quality if the construction area is greater than 1 acre.

h. Hazardous material

Hazardous materials and usage are reported to 14 CES/CEVP, Hazardous Materials Management Process office, in accordance with Air Force Instruction (AFI) 32-7086, *HAZARDOUS MATERIALS MANAGEMENT*.

i. Soils

Columbus AFB soils are moderately well to poorly-drained silt and clay loams of the Prentiss Rosella Steens and Cahaba Prentiss Guyton associations. These soils are characteristic of river terrace and floodplain deposits. The proposed project site a previously disturbed site.

k. Wetlands/ Floodplain

Columbus AFB has 181.24 acres of delineated wetlands. Construction in any wetlands area would require a section 404 permit from the Corps of Engineers. There are approximately 1,550 acres of Columbus AFB that are within the 100 year floodplain.

l. Wildlife

Columbus AFB contains woodland and grassland vegetative communities that provide habitat for a variety of wildlife species. Confirmed mammal species observed on the base include gray squirrel, southern flying squirrel, swamp rabbit, white-tailed deer, bats, and rodents. Bird species common to lowland areas of the base include red-shouldered hawk, Cooper's hawk, rock dove, Carolina wren, and wood duck. A 1993 Nature Conservancy field survey found no endangered, threatened, or special status species on the base. The area of construction would have no effect on wildlife habitat.

m. Vegetation

The grass species at the proposed site include plumb grass, switch grass, beggartick, tickclover, and Bermuda grass (USAF, 1998), none of which are endangered.

n. Maintenance and Economics

The current facility is over 50 years old and is maintained by the 14th Civil Engineer Squadron. There are currently 5 work orders pending for repairs at the current facility that total over \$75,000 not including connection to the nearest potable water supply which is estimated to cost \$45,000 to \$90,000 (USAF, Memorandum for Record, 14th SFS).

5. Impacts of Proposed Action and Alternatives

a. Military Mission

Proposed Action: The proposed action would not have any adverse impact on the Columbus AFB military flying mission.

Alternative 1: This alternative would be expensive and would not produce a kennel that would be in complete compliance with AFI 31-202, *Military Working Dog Program*.

Alternative 2: The proposed action would not have any adverse impact on the Columbus AFB military flying mission.

Alternative 3: The proposed action would not have any adverse impact on the Columbus AFB military flying mission.

Alternative 4: The no-action alternative could have a negative effect on the Columbus AFB military flying mission. The military working dogs would continue to be housed in a substandard and unsanitary environment which decreases their security effectiveness.

b. Land Use

Proposed Action: The proposed action would have no adverse impact on land use. The area of construction is in an area that was previously disturbed.

Alternative 1: This alternative action would have no adverse impact on land use.

Alternative 2: This alternative action would have no adverse impact on land use. The area of construction is in an area that was previously disturbed.

Alternative 3: This alternative action would have no adverse impact on land use. The area of construction is in an area that was previously disturbed.

Alternative 4: The no-action alternative would have no effect on current land use.

c. Water Quality

Storm Water

Proposed Action: The proposed action would have minimal impact on installation water quality. Best management practices would be incorporated to protect the storm water system from potential spills and runoff during construction.

Alternative 1: This alternative action would have minimal impact on installation water quality. Best management practices would be incorporated to protect the storm water system from potential spills and runoff during construction.

Alternative 2: This alternative action would have minimal impact on installation water quality. Best management practices would be incorporated to protect the storm water system from potential spills and runoff during construction.

Alternative 3: This alternative action would have minimal impact on installation water quality. Best management practices would be incorporated to protect the storm water system from potential spills and runoff during construction.

Alternative 4: The no-action alternative would have no adverse effect on water quality.

Domestic Water

Proposed Action: The proposed action would have minimal impact on domestic water quality. There would be approximately two full time employees occupying the facility along with 6 handlers who will use the facility. The number of visitors to the facility would average approximately 2 per day. The water usage per dog would be approximately 20 gallons daily. This would increase the demand on the City of Columbus drinking water supply by 1,500 gallons per day. This increase would be less than .2% of the daily water consumption of the base (USAF, Water consumption and wastewater generation data for Columbus AFB housing, June 11, 1988). This should not significantly affect the drinking water supply.

Alternative 1: This alternative action would have minimal impact on domestic water quality. There would be approximately two full time employees occupying the facility along with 6 handlers who will use the facility. The number of visitors to the facility would average approximately 2 per day. The water usage per dog would be approximately 20 gallons daily. This would increase the demand on the City of Columbus drinking water supply by 1,500 gallons per day. This increase would be less than .2% of the daily water consumption of the base (USAF, Water consumption and wastewater generation data for Columbus AFB

housing, June 11, 1988). This should not significantly affect the drinking water supply.

Alternative 2: This proposed alternative would have minimal impact on domestic water quality. There would be approximately two full time employees occupying the facility along with 6 handlers who will use the facility. The number of visitors to the facility would average approximately 2 per day. The water usage per dog would be approximately 20 gallons daily. This would increase the demand on the City of Columbus drinking water supply by 1,500 gallons per day. This increase would be less than .2% of the daily water consumption of the base (USAF, Water consumption and wastewater generation data for Columbus AFB housing, June 11, 1988). This should not significantly affect the drinking water supply.

Alternative 3: This alternative action would have minimal impact on domestic water quality. There would be approximately two full time employees occupying the facility along with 6 handlers who will use the facility. The number of visitors to the facility would average approximately 2 per day. The water usage per dog would be approximately 20 gallons daily. This would increase the demand on the City of Columbus drinking water supply by 1,500 gallons per day. This increase would be less than .2% of the daily water consumption of the base (USAF, Water consumption and wastewater generation data for Columbus AFB housing, June 11, 1988). This should not significantly affect the drinking water supply.

Alternative 4: The water supply at this site is classified as non potable and has been determined to contain a high iron content requiring a treatment system and requires constant maintenance..

d. Air Quality

Proposed Action: The proposed action would have a temporary negative effect on installation air quality. There would be an increase in exhaust emissions during construction activities.

Alternative 1: This alternative action would have a temporary negative effect on installation air quality. There would be an increase in exhaust emissions during construction activities.

Alternative 2: This alternative action would have a temporary negative effect on installation air quality. There would be an increase in exhaust emissions during construction activities.

Alternative 3: This alternative action would have a temporary negative effect on installation air quality. There would be an increase in exhaust emissions during construction activities.

Alternative 4: The no-action alternative would not have an impact on installation air quality.

e. Noise

Proposed Action: Noise levels would increase during construction activities. These noise conditions could increase to 85 - 90 dBA within 50 feet of the site. This would result from the cumulative effects of nearby aircraft and construction machinery (USAF, 1998). These noise events would not adversely affect on or off base residences or businesses and would be of limited duration.

Alternative 1: Noise levels would increase during construction activities. These noise conditions could increase to 85 - 90 dBA within 50 feet of the site. This would result from the cumulative effects of nearby aircraft and construction machinery (USAF, 1998). These noise events would not adversely affect on or off base residences or businesses and would be of limited duration.

Alternative 2: Noise levels would increase during construction activities. These noise conditions could increase to 85 - 90 dBA within 50 feet of the site. This would result from the cumulative effects of nearby aircraft and construction machinery (USAF, 1998). These noise events would not adversely affect on or off base residences or businesses and would be of limited duration.

Alternative 3: Noise levels would increase during construction activities. These noise conditions could increase to 85 - 90 dBA within 50 feet of the site. This would result from the cumulative effects of nearby aircraft and construction machinery (USAF, 1998). These noise events would not adversely affect on or off base residences or businesses and would be of limited duration.

Alternative 4: The no-action alternative would not have an effect on installation noise levels.

f. Prehistoric and Historical Sites

Proposed Action: There are no known prehistoric or historical sites on base. However, if any archaeological resources are uncovered or noticed during demolition activities, all activities at the site would be halted and the Mississippi Department of Archives and History would be contacted for instructions.

Alternative 1: There are no known prehistoric or historical sites on base. However, if any archaeological resources are uncovered or noticed during demolition activities, all activities at the site would be halted and the Mississippi Department of Archives and History would be contacted for instructions.

Alternative 2: There are no known prehistoric or historical sites on base. However, if any archaeological resources are uncovered or noticed during demolition activities, all activities at the site would be halted and the Mississippi Department of Archives and History would be contacted for instructions.

Alternative 3: There are no known prehistoric or historical sites on base. However, if any archaeological resources are uncovered or noticed during demolition activities, all activities at the site would be halted and the Mississippi Department of Archives and History would be contacted for instructions.

Alternative 4: There would be no potential for impacts on prehistoric or historical sites under the no-action alternative.

g. Permits required

Proposed Action: No permits are required. Specifications for gas-fired water heater and/or furnace are to be submitted to Mississippi Department of environmental Quality through 14 CES/CEVC for inclusion in the base's Title V permit prior to construction. During construction a Notice Of Intent and a Storm Water Pollution Prevention Plan would be filed with the State of Mississippi, Department of Environmental Quality if the construction area is greater than 1 acre.

Alternative 1: No permits are required. Specifications for gas-fired water heater and/or furnace are to be submitted to Mississippi Department of environmental Quality through 14 CES/CEVC for inclusion in the base's Title V permit prior to construction. During construction a Notice Of Intent and a Storm Water Pollution Prevention Plan would be filed with the State of Mississippi, Department of Environmental Quality if the construction area is greater than 1 acre.

Alternative 2: No permits are required. Specifications for gas-fired water heater and/or furnace are to be submitted to Mississippi Department of environmental Quality through 14 CES/CEVC for inclusion in the base's Title V permit prior to construction. During construction a Notice Of Intent and a Storm Water Pollution Prevention Plan would be filed with the State of Mississippi, Department of Environmental Quality if the construction area is greater than 1 acre.

Alternative 3: No permits are required. Specifications for gas-fired water heater and/or furnace are to be submitted to Mississippi Department of environmental Quality through 14 CES/CEVC for inclusion in the base's Title V permit prior to construction. During construction a Notice Of Intent and a Storm Water Pollution Prevention Plan would be filed with the State of Mississippi,

Department of Environmental Quality if the construction area is greater than 1 acre.

Alternative 4: No permits are required.

h. Hazardous Material

Proposed Action: This action would not have any significant adverse effect on hazardous materials. Hazardous material would be managed in accordance with Columbus AFB's Hazardous Materials Management Program and applicable state, federal, and local laws and guidelines.

Alternative 1: This action would not have any significant adverse effect on hazardous materials. Hazardous material would be managed in accordance with Columbus AFB's Hazardous Materials Management Program and applicable state, federal, and local laws and guidelines.

Alternative 2: This action would not have any significant adverse effect on hazardous materials. Hazardous material would be managed in accordance with Columbus AFB's Hazardous Materials Management Program and applicable state, federal, and local laws and guidelines.

Alternative 3: This action would not have any significant adverse effect on hazardous materials. Hazardous material would be managed in accordance with Columbus AFB's Hazardous Materials Management Program and applicable state, federal, and local laws and guidelines.

Alternative 4: The no-action alternative would not have an effect on hazardous materials.

i. Soils

Proposed Action: There would be no changes to soil at the proposed construction site. This project occurs in an area that has been disturbed and modified by prior construction. Earthwork would be planned and conducted in such a manner to minimize the duration of exposure of unprotected soils. Installation of best management practices such as silt fences and single point construction entries would minimize erosion during construction. Spill protection measures would be installed to prevent spills from impacting soil and groundwater at Columbus AFB.

Alternative 1: There would be no changes to soil at this alternative construction site. This project occurs in an area that has been disturbed and modified by prior construction. Earthwork would be planned and conducted in such a manner to minimize the duration of exposure of unprotected soils. Installation of best management practices such as silt fences and single point construction entries would minimize erosion during construction. Spill protection measures would be

installed to prevent spills from impacting soil and groundwater at Columbus AFB.

Alternative 2: There would be no changes to soil at this alternative construction site. This project occurs in an area that has been disturbed and modified by prior construction. Earthwork would be planned and conducted in such a manner to minimize the duration of exposure of unprotected soils. Installation of best management practices such as silt fences and single point construction entries would minimize erosion during construction. Spill protection measures would be installed to prevent spills from impacting soil and groundwater at Columbus AFB.

Alternative 3: There would be no changes to soil at the proposed construction site. This project occurs in an area that has been disturbed and modified by prior construction. Earthwork would be planned and conducted in such a manner to minimize the duration of exposure of unprotected soils. Installation of best management practices such as silt fences and single point construction entries would minimize erosion during construction. Spill protection measures would be installed to prevent spills from impacting soil and groundwater at Columbus AFB.

Alternative 4: The no-action alternative would have no effect on soils.

j. Storm Water

Proposed Action: Storm Water from the proposed site would be controlled during construction by the use of "Best Management Practices" as directed by the state of Mississippi.

Alternative 1: Storm Water from this alternative site would be controlled during construction by the use of "Best Management Practices" as directed by the state of Mississippi.

Alternative 2: Storm Water from this alternative site would be controlled during construction by the use of "Best Management Practices" as directed by the state of Mississippi.

Alternative 3: Storm Water from this alternative site would be controlled during construction by the use of "Best Management Practices" as directed by the state of Mississippi.

Alternative 4: The no-action alternative would have no effect on Storm Water.

k. Wetlands/ Floodplain

Proposed Action: The proposed action would be located in an area that does not have wetland characteristics and is not located within the 100 year floodplain.

Alternative 1: This alternative would be located in an area that does not have wetland characteristics and is not located within the 100 year floodplain.

Alternative 2: This alternative would be located in an area that does not have wetland characteristics and is not located within the 100 year floodplain.

Alternative 3: This alternative would be located in an area that does not have wetland characteristics and is not located within the 100 year floodplain.

Alternative 4: This alternative would be located in an area that does not have wetland characteristics and is not located within the 100 year floodplain..

l. Wildlife

Proposed Action: There would be no changes to current wildlife populations.

Alternative 1: There would be no changes to current wildlife populations.

Alternative 2: There would be no changes to current wildlife populations.

Alternative 3: There would be no changes to current wildlife populations.

Alternative 4: The no-action alternative would have no changes to current wildlife populations.

m. Vegetation

Proposed Action: There would be changes to current vegetation. All grass in the area of the construction would be removed and be replaced by concrete.

Alternative 1: There would be changes to current vegetation. All grass in the area of the construction would be removed and be replaced by concrete.

Alternative 2: There would be changes to current vegetation. All grass in the area of the construction would be removed and be replaced by concrete.

Alternative 3: There would be changes to current vegetation. All grass in the area of the construction would be removed and be replaced by concrete.

Alternative 4: The no-action alternative would have no effects on vegetation.

n. Maintenance and Economics

Proposed Action: The proposed action would decrease the ongoing requirements for maintenance and upkeep. The current work orders would be canceled and the water supply would be from the base system.

Alternative 1: This alternative action would decrease the ongoing requirements for maintenance and upkeep. The current work orders would be canceled and the water supply would be from the base system.

Alternative 2: This alternative action would decrease the ongoing requirements for maintenance and upkeep. The current work orders would be canceled and the water supply would be from the base system.

Alternative 3: This alternative action would decrease the ongoing requirements for maintenance and upkeep. The current work orders would be canceled and the water supply would be from the base system.

Alternative 4: Maintenance and upkeep costs would not change. The current building would continue to deteriorate without extensive repairs and the conditions present in the current facility would continue to be unsatisfactory (US Army Veterinary Service inspections, June 2002 - February 2003).

7. Cumulative Impacts

The proposed activity would be coordinated with other installation activities and would occur within the constraints of the Columbus AFB military mission. A Military Family Housing project was initiated in 1999 and is currently ongoing. The perimeter fence may still be under construction during this action. An Entry Control Facility parking area may be under construction during this action. Repair of the inside runway may be ongoing during this action. Temporary negative effects related to traffic, noise, dust, and vehicle emissions associated with the proposed action would combine with the traffic, noise, dust and vehicle emissions generated by all ongoing construction projects. No significant negative cumulative impacts are anticipated.

8. Conclusion

The preferred action is the proposed action, Construction of a Military Working Dog Facility at the site of the former wastewater treatment facility. This site is west of Independence Avenue at the south gate entrance.

Alternative 1: This alternative would provide a facility that would comply with the recommendations of the US Army Veterinary Services.

Alternative 2: This alternative would provide a facility that would comply with the recommendations of the US Army Veterinary Services

Alternative 3: This alternative would provide a facility that would comply with the recommendations of the US Army Veterinary Services

Alternative 4: The no-action alternative, would not provide a facility that would comply with the recommendations of the US Army Veterinary Services and would continue to provide a potential health problem for the dogs.

Conclusion: An environmental impact statement is not required. A Finding of No Significant Impact is justified.

Summary of Findings

	Proposed Site	Alternate 1	Alternate 2	Alternate 3	Alternate 4
Land Use	None	None	None	None	None
Water Quality	Minimal	No Effect	No Effect	No Effect	No Effect
Air Quality	Deminimis During Construction and operation	Deminimis During Construction and operation	Deminimis During Construction and operation	Deminimis During Construction and operation	No Effect
Noise	Increase Temporarily	Increase Temporarily	Increase Temporarily	Increase Temporarily	No Effect
Prehistoric & Historical Sites	None	None	None	None	None
Permits Required	None	None	None	None	None
Hazardous Material	No Additional Materials	No Additional Materials	No Additional Materials	No Additional Materials	No Additional Materials
Soils	None	None	None	None	None
Wetlands	None	None	None	None	None
Wildlife	None	None	None	None	None
Vegetation	None	None	None	None	None
Maintenance and Economics	Positive	Positive	Positive	Positive	Negative

Appendix A

Interagency Correspondence



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 14TH FLYING TRAINING WING
COLUMBUS AIR FORCE BASE MISSISSIPPI

2 Apr 03

Mr. Michael F. Smith, REM
Chief, Environmental Flight
555 Simler Boulevard, Suite 108
Columbus AFB MS 39710-6010

Ms. Kathy Lunceford
Vicksburg Ecological Service
Fish and Wildlife Service
6578 Dogwood View Parkway, Suite A
Jackson MS 39213

Dear Ms. Lunceford

The 14th Flying Training Wing at Columbus Air Force Base (AFB) is preparing an environmental assessment (EA) under the National Environmental Policy Act of 1969 for the proposed construction of a Military Working Dog Facility at Columbus AFB. This action is necessary to enable the base to accomplish its mission requirements.

The purposed action is to construct and operate a Military Working Dog Facility. The purpose of the facility is to provide living quarters and exercise areas for the Military Working Dogs. The proposed location is identified on the attached map (M-1131/1132).

To assist with this EA, please advise us if there are any threatened or endangered bird and/or mammal species known to exist in the area of the base in which the construction project would occur. Please provide your response by 30 Apr 03.

Thank you in advance for your assistance in this matter. If there are any questions, please contact Mr. Frank Lockhart, Star Digital at (662) 434-3130.

Sincerely

A handwritten signature in black ink, appearing to read "Michael F. Smith", is written over the word "Sincerely".

MICHAEL F. SMITH, REM



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 14TH FLYING TRAINING WING
COLUMBUS AIR FORCE BASE MISSISSIPPI

2 Apr 03

Mr. Michael F. Smith, REM
Chief, Environmental Flight
555 Simler Boulevard, Suite 108
Columbus AFB MS 39710-6010

Ms. Kathy Lunceford
Vicksburg Ecological Service
Fish and Wildlife Service
6578 Dogwood View Parkway, Suite A
Jackson MS 39213

Dear Ms. Lunceford

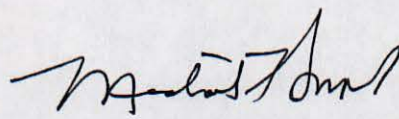
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To assist with this EA, please advise us if there are any threatened or endangered bird and/or mammal species known to exist in the area of the base in which the construction project would occur. Please provide your response by 30 Apr 03.

Thank you in advance for your assistance in this matter. If there are any questions, please contact Mr. Frank Lockhart, Star Digital at (662) 434-3130.

Sincerely


MICHAEL F. SMITH, REM

<input checked="" type="checkbox"/> No Significant adverse wetland impacts
<input checked="" type="checkbox"/> No listed, proposed or candidate species present
<i>Kathy W. Lunceford</i>
Environmental Coordinator
U.S. Fish and Wildlife Service
03-456
4/16/03
Log No.
Date



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 14TH FLYING TRAINING WING
COLUMBUS AIR FORCE BASE MISSISSIPPI

2 Apr 03

Mr. Michael F. Smith, REM
Chief, Environmental Flight
555 Simler Boulevard, Suite 108
Columbus AFB MS 39710-6010

Ms. Mildred Tharpe
State Clearinghouse for Federal Programs
1301 Woolfolk Bldg, Suite E
501 North West St.
Jackson MS 39213

Dear Ms. Tharpe

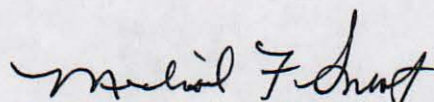
The 14th Flying Training Wing at Columbus Air Force Base is preparing an environmental assessment (EA) under the National Environmental Policy Act of 1969 for the proposed construction of a Military Working Dog Facility at Columbus Air Force Base. This action is necessary to enable the base to accomplish its mission requirements.

The proposed action is to construct a Military Working Dog Facility. The purpose of the facility is to provide living quarters and exercise areas for the Military Working Dogs. The current facility was constructed in 1952 and is need of extensive repair. The proposed location is identified on the attached map (M-1131/1132).

To assist with this EA, please advise us if there are any state resources known to exist in the area of the base in which the construction project would occur. Please provide your response by 30 Apr.

Thank you in advance for your assistance in this matter. If there are any questions, please contact Mr. Frank Lockhart, 14 CES/CEVN, (662) 434-3130.

Sincerely


MICHAEL F. SMITH, REM



STATE OF MISSISSIPPI
DEPARTMENT OF FINANCE AND ADMINISTRATION

MEMORANDUM

TO: COLUMBUS AIR FORCE BASE
14TH FLYING TRAINING WING
555 SIMLER BLVD., SUITE 108
COLUMBUS AFB MS 39710 6010

DATE: MAY - 1 2003

FROM: STATE CLEARINGHOUSE FOR FEDERAL PROGRAMS

SUBJECT: REVIEW COMMENTS - Activity:
THE 14TH FLYING TRAINING WING AT COLUMBUS AIR FORCE BASE IS
PREPARING AN ENVIRONMENTAL ASSESSMENT FOR THE PROPOSED
CONSTRUCTION OF A MILITARY WORKING DOG FACILITY AT
COLUMBUS AIR FORCE BASE.

State Application Identifier Number MS030410-004

Location: LOWNDES

Contact: FRANK LOCKHART

The State Clearinghouse, in cooperation with state agencies interested or possibly affected, has completed the review process for the activity described above.

INTERGOVERNMENTAL REVIEW PROCESS COMPLIANCE:

- () We are enclosing the comments received from the state agencies for your consideration and appropriate actions. The remaining agencies involved in the review did not have comments or recommendations to offer at this time. A copy of this letter is to be attached to the application as evidence of compliance with Executive Order 12372 review requirements.
- () Conditional clearance pending Archives and History's approval.
- (✓) None of the state agencies involved in the review had comments or recommendations to offer at this time. This concludes the State Clearinghouse review, and we encourage appropriate action as soon as possible. A copy of this letter is to be attached to the application as evidence of compliance with Executive Order 12372 review requirements.
- () The review of this activity is being extended for a period not to exceed 60 days from the receipt of notification to allow adequate time for review.

COASTAL PROGRAM COMPLIANCE (Coastal area activities only):

- () The activity has been reviewed and complies with the Mississippi Coastal Program. A consistency certification is to be issued by the Mississippi Department of Marine Resources in accordance with the Coastal Zone Management Act.
- () The activity has been reviewed and does not comply with the Mississippi Coastal Program.

cc: Funding Agency (As requested by applicant)

EO 12372
WEEKLY LOG
PGM=N150

STATE OF MISSISSIPPI
STATE CLEARINGHOUSE FOR FEDERAL PROGRAMS

DATE 04/10/03
04/16/03

MS APPLICANT NO.: MS030410-004

IMPACT AREA(S): LOWNDES

CONTACT: FRANK LOCKHART

PHONE: (662) 434-3130

APPLICANT:

COLUMBUS AIR FORCE BASE

14TH FLYING TRAINING WING

555 SIMLER BLVD., SUITE 108

COLUMBUS AFB MS 39710-6010

FEDERAL AGENCY: DEPARTMENT OF AIR FORCE

FUNDING: FEDERAL
LOCAL
TOTAL

APPLICANT
OTHER

STATE
PROGRAM

DESCRIPTION: THE 14TH FLYING TRAINING WING AT COLUMBUS AIR FORCE BASE IS PREPARING AN ENVIRONMENTAL ASSESSMENT FOR THE PROPOSED CONSTRUCTION OF A MILITARY WORKING DOG FACILITY AT COLUMBUS AIR FORCE BASE.

CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER

1301 WOOLFOLK BLDG., SUITE E - JACKSON, MS 39201 (601) 359-6762

- THIS IS AN ACKNOWLEDGEMENT ONLY -

STATE AGENCIES MUST REVIEW CERTAIN PROPOSALS PRIOR TO RECEIVING MISSISSIPPI INTERGOVERNMENTAL REVIEW PROCESS CLEARANCE. THE MISSISSIPPI DEPARTMENT OF ARCHIVES AND HISTORY REVIEWS ANY PROPOSALS INVOLVING CONSTRUCTION, SUCH AS A HIGHWAY OR AN APARTMENT COMPLEX FOR COMPLIANCE WITH CULTURAL RESOURCES AND HISTORIC PRESERVATION. MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF POLLUTION CONTROL, REVIEWS APPLICATIONS IN ACCORDANCE WITH THE FEDERAL WATER POLLUTION CONTROL ACT. THE MISSISSIPPI DEPARTMENT OF MARINE RESOURCES REVIEWS APPLICATIONS FOR CONSISTENCY WITH THE COASTAL PROGRAM.

IF APPLICATIONS ARE FOR PROJECTS OF LOCAL IMPACT, THEY SHOULD BE SENT TO THE APPROPRIATE PLANNING AND DEVELOPMENT DISTRICT AT THE SAME TIME. PLEASE NOTE THAT ONE OF OUR REQUIREMENTS IS THE USE OF STANDARD FORM 424. THE DEPARTMENT OF FINANCE AND ADMINISTRATION PREPARES AND DISTRIBUTES A WEEKLY LOG LISTING PERTINENT INFORMATION CONTAINED ON THIS FORM. OUR ADDRESS IS 1301 WOOLFOLK BLDG., SUITE E - JACKSON, MS 39201 AND OUR PHONE NUMBER IS (601)359-6762.



GOLDEN TRIANGLE

Planning and Development District, Inc.

Post Office Box 828

Starkville, MS 39760-0828

Telephone (662) 324-7860

Fax (662) 324-7328

Cecil Hamilton
President

David Winfield
Vice President

Larry Crowley
Secretary / Treasurer

Rupert L. "Rudy" Johnson
Executive Director

TO: Columbus Air Force Base
14th Flying Training Wing
555 Simler Blvd., Suite 108
Columbus AFB, Mississippi 39710-6010

DATE: April 25, 2003
CLEARINGHOUSE NUMBER: MS030410-004

The Golden Triangle Planning & Development District, as Regional Clearinghouse for Federal Programs, has been notified of the intent to apply for Federal assistance as described below:

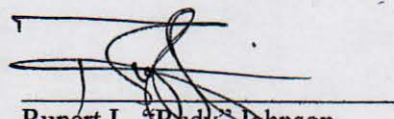
The 14th Flying Training Wing at Columbus Air Force Base is preparing an environmental assessment for the proposed construction of a military working dog facility at Columbus Air Force Base.

Total Project Cost:

Federal Agency/Funds:

- ☐ The Regional Clearinghouse has received and reviewed the application for Federal assistance as described above.
- ☐ The Regional Clearinghouse has notified appropriate local and regional agencies of this proposed project, and
 - ☐ Interest has been expressed in conferring with the applicant(s).
 - ☐ The attached comments were submitted and are to become a part of this Review.
 - ☐ No response was received from these agencies.
- ☒ The proposed project appears to be consistent with the following plan(s) for economic/community development in the District
 - ☒ GTPDD DISTRICT DEVELOPMENT PROGRAM
 - ☐ Comprehensive Economic Development Strategy
- ☐ The proposed project is not consistent with applicable economic/community development plan(s) for this District.
- ☒ This notice constitutes final Regional Clearinghouse Review and Comment on the proposed project, and requirements of E.O. 12372 have been met at the Regional level.

Comments:


Rupert L. "Rudy" Johnson
Executive Director

c: State Clearinghouse

Appendix B

Air Force Form 813
Department of Defense Form 1391

REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS

Report Control Symbol

RCS: 03-13

INSTRUCTIONS: Section I to be completed by Proponent; Sections II and III to be completed by Environmental Planning Function. Continue on separate sheets as necessary. Reference appropriate item number(s).

SECTION I - PROPONENT INFORMATION

1. TO (Environmental Planning Function)

14 CES/CEV

2. FROM (Proponent organization and functional address symbol)

14 SFS/CC

2a. TELEPHONE NO.

3. TITLE OF PROPOSED ACTION

Military Working Dog Kennel

4. PURPOSE AND NEED FOR ACTION (Identify decision to be made and need date)

The purpose of this project is to construct new Military Working Dog Kennel Facility.

5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA) (Provide sufficient details for evaluation of the total action.)

Construct new military working dog complex to include an administration and support building, a kennel building, and a storage building. Site improvements include a fenced-in outdoor exercise and rest areas. (continued on page 2)

6. PROPONENT APPROVAL (Name and Grade)

Leonard R. Grassley Maj

Commander, 14th Security Forces Squadron

6a. SIGNATURE

6b. DATE

20021202

SECTION II - PRELIMINARY ENVIRONMENTAL SURVEY. (Check appropriate box and describe potential environmental effects including cumulative effects.) (+ = positive effect; 0 = no effect; - = adverse effect; U = unknown effect)

+ 0 - U

7. AIR INSTALLATION COMPATIBLE USE ZONE/LAND USE (Noise, accident potential, encroachment, etc.)

8. AIR QUALITY (Emissions, attainment status, state implementation plan, etc.)

9. WATER RESOURCES (Quality, quantity, source, etc.)

10. SAFETY AND OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safety quantity-distance, bird/wildlife aircraft hazard, etc.)

11. HAZARDOUS MATERIALS/WASTE (Use/storage/generation, solid waste, etc.)

12. BIOLOGICAL RESOURCES (Wetlands/floodplains, threatened or endangered species, etc.)

13. CULTURAL RESOURCES (Native American burial sites, archaeological, historical, etc.)

14. GEOLOGY AND SOILS (Topography, minerals, geothermal, Installation Restoration Program, seismicity, etc.)

15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)

16. OTHER (Potential impacts not addressed above.)

SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATION

17. ☐ PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # _____; OR☒ PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.

18. REMARKS

19. ENVIRONMENTAL PLANNING FUNCTION CERTIFICATION
(Name and Grade)

19a. SIGNATURE

19b. DATE

7 Apr 03

Continuation from page 1 block 5.

for the military working dogs and covered walkways connecting the three buildings in the complex. In addition, construct a 14-space parking lot for the kennel workers and visitors.

PROJECT: Construct Military Dog Kennel (Current Mission)

REQUIREMENT: An indoor/outdoor military working dog facility that meets the standards outlined in the HQ AETC "Design Guide for Military Working Dog Facilities". This kennel facility shall have the capacity to house 10 military working dogs.

CURRENT SITUATION: The existing 1952 facility lacks necessary administration and kennel space. In addition, the facility lacks a potable water supply, HVAC system, fire suppression system, kitchen, dog exam / washing room, and storage space. Existing hazards include: exposed electrical and communication wiring, exposed lead based paint, and inadequate plumbing to remove dog feces. The U.S. Army Veterinary Service has recommended that Columbus AFB build a new kennel facility.

The first alternate is to award and complete this project.

The second alternate is not to do this project and leave the MWD facility in the current condition.

IMPACT IF NOT PROVIDED: Health risks to both military working dogs and their trainers will continue exist if they are forced to live and work in this substandard and unsanitary environment.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements. Therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Lt Col Michael R. Hass, (662) 434-7327, Construct Child Development Center, 2,152SM = 23,161 SF.

1. COMPONENT AIR FORCE		FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION COLUMBUS AIR FORCE BASE, MISSISSIPPI			4. PROJECT TITLE CONSTRUCT MILITARY DOG KENNEL		
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 730-841	7. PROJECT NUMBER EEPZ021020	8. PROJECT COST (\$000) EEIC 529 660.00		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
CONSTRUCT DOG KENNEL COMPLEX		LS			474.0
ADMINISTRATION/SUPPORT BUILDING		SF	1,665	110	(183.2)
KENNEL BUILDING		SF	2,358	110	(259.4)
STORAGE BUILDING		SF	420	71	(30.0)
ROUNDING		LS			(1.5)
SUPPORTING FACILITIES					54.0
SITE IMPROVEMENTS		LS			(30.0)
PARKING LOT		SP	14	1,000	(14.0)
UTILITIES		LS			(10.0)
SUBTOTAL					528.0
PROFIT AND OVERHEAD (25 %)					132.0
TOTAL FUNDED COST					660.0
UNFUNDED COST (8 %)					52.8
TOTAL REQUEST					712.8
10. Description of Proposed Construction: Construct new military working dog complex to include an administration and support building, a kennel building, and a storage building. Site improvements include a fenced-in outdoor exercise and rest areas for the military working dogs and covered walkways connecting the three buildings in the complex. In addition, construct a 14 space parking lot for the kennel workers and visitors.					
11. Requirement: As required. <u>PROJECT:</u> Construct new military working dog complex to include an administration and support building, a kennel building, and a storage building. Site improvements include fenced-in outdoor dog exercise/rest areas and covered walkways between the buildings. <u>REQUIREMENT:</u> An indoor/outdoor military working dog facility that meets the standards outlined in the HQ AETC "Design Guide for Military Working Dog Facilities". This kennel facility shall have the capacity to house 10 military working dogs. <u>CURRENT SITUATION:</u> The existing 1952 facility lacks necessary administration and kennel space. In addition, the facility lacks a potable water supply, HVAC system, fire suppression system, kitchen, dog exam / washing room, and storage space. Existing hazards include: exposed electrical and communication wiring, exposed lead based paint, and inadequate plumbing to remove dog feces. The U.S. Army Veterinary Service has recommended that Columbus AFB build a new kennel facility. <u>IMPACT IF NOT PROVIDED:</u> Health risks to both military working dogs and their trainers will continue to exist if they are forced to live and work in this substandard and unsanitary environment.					

Appendix C

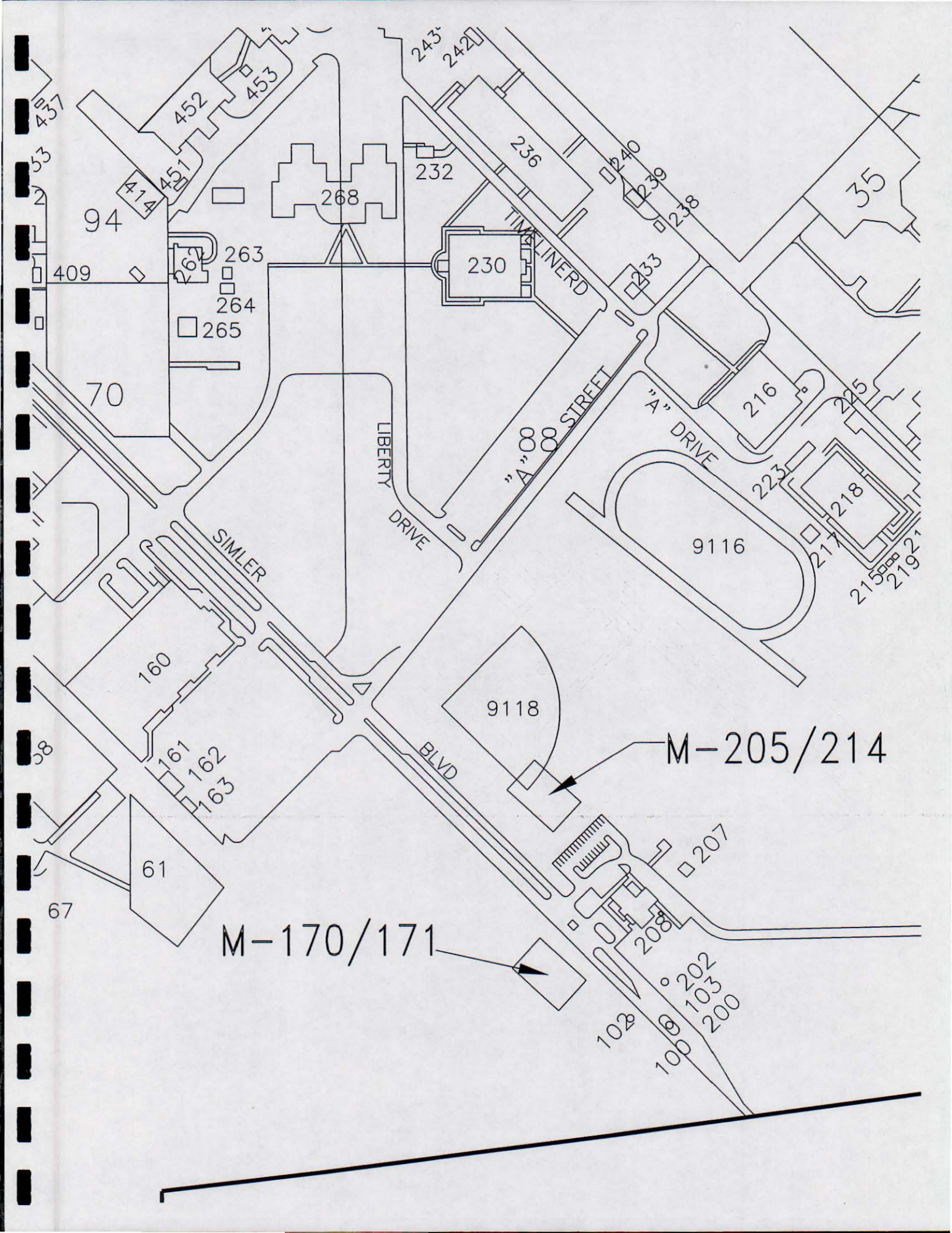
List of Preparers

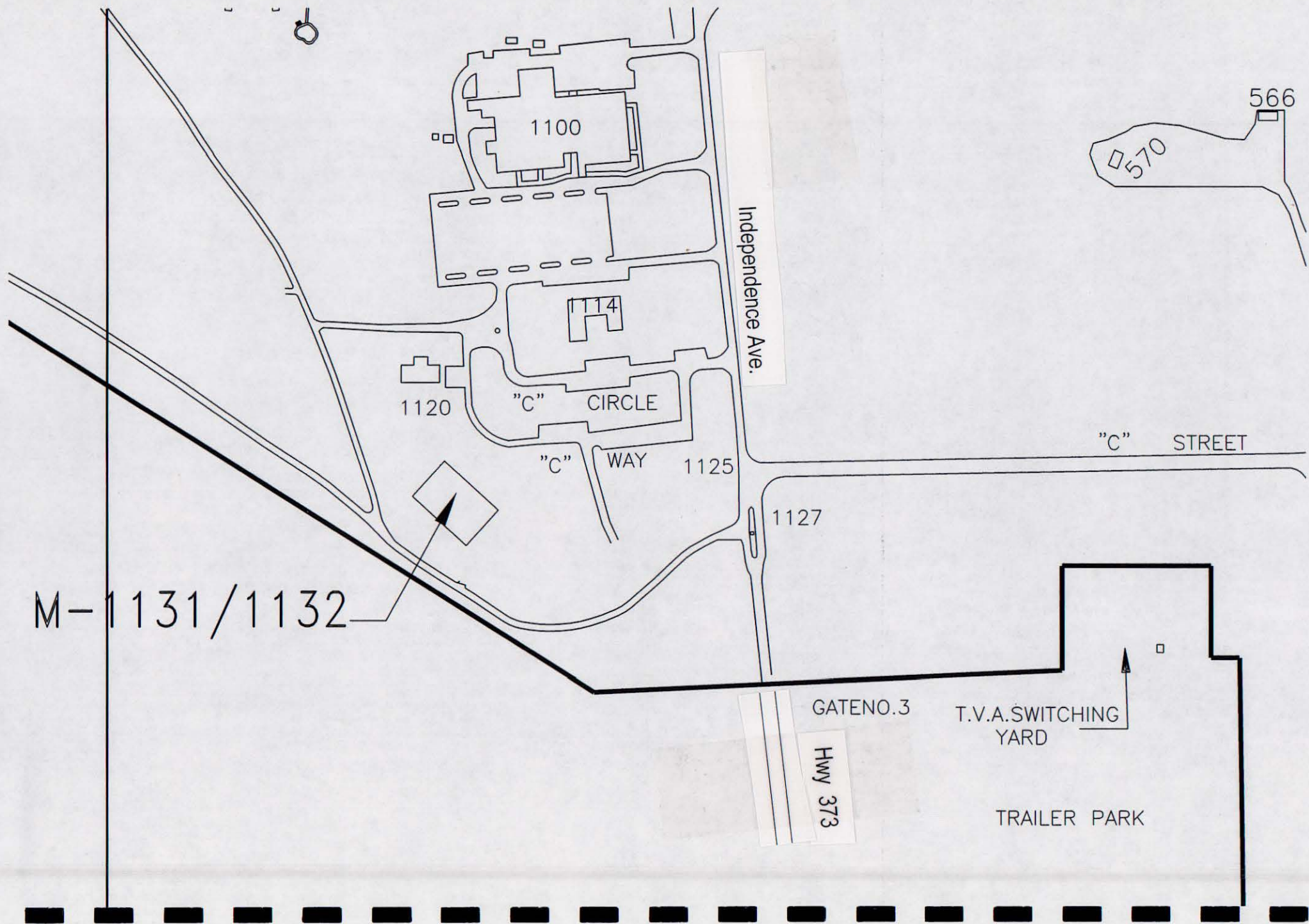
List of Preparers

Name	Degree	Professional Discipline	Years of Experience
Frank Lockhart	B.S., Biological Sciences MEd., Biological Sciences/ Education	Environmental Planner	26

Appendix D

Maps





Appendix E

Additional Correspondence



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 14TH FLYING TRAINING WING
COLUMBUS AIR FORCE BASE MISSISSIPPI

16 June 2003

MEMORANDUM FOR 14 SFS/CC

FROM: 14 MDOS/SGOAB

SUBJECT: Results of Area Noise Dosimetry

1. On 12 June 2003, Bioenvironmental Engineering (BEE) performed a 24-hour area dosimetry at the proposed dog kennel construction site. Three area samplers were placed in a triangular pattern in the field behind Security Forces Headquarters, Bldg 208. The purpose of the noise dosimetry is to measure noise levels throughout the day and provide a 24-hour Time Weighted Average (TWA) exposure. The results of the noise dosimetry are as follows.

Area Monitored	Daily TWA
1 (Next to monitoring well)	70.4 dBA
2 (Along Fence)	69.3 dBA
3 (Along Fence)	70.4 dBA
3-day Average TWA = 70.1 dBA	

2. **CONCLUSIONS:** Per AFI 31-202, *Military Working Dog Program*, paragraph 9.1.2, "kennels cannot be located near runways, taxiways, engine test cells, small arms ranges, or other areas where the time weighted overall average sound pressure level for any 24-hour period exceeds 75 adjusted decibels." Since the average exposure level was 70.1 dBA, the proposed dog kennel site meets the requirements of AFI 31-202.

3. If there are any questions or you need any further clarification, please call our office at extension 2284.

Kendra C. Gomez-Agudelo
KENDRA C. GOMEZ-AGUDELO, Capt, USAF, BSC
Bioenvironmental Engineering Element Chief